

TEM DUST ANALYSIS M40543 024

Dilution Factor 500 Str / sqr ft >=5 7.762E+08 Str / cm2 X Str#: SquareID: Type: Structure: Length Width Morph: SAED: EDS: Photo: 1 C1-H4 C C-F 3.00 2.00 X X 2 C C-F 4.00 2.00 X X 3 C B 4.20 0.15 X M36298 4 C F 0.70 0.10 X X 5 C F 0.70 0.10 X X 6 C M-B 3.00 0.20 X X 7 G4 C B 4.20 0.20 X X 8 C F 0.50 0.10 X X 9 C F 5.00 0.10 X X	
Str ≥5um: 14 Number of openings: 10	m2 4.178E+06
Str Square Square	
1 C1-H4 C C-F 3.00 2.00 X X 2 C C-F 4.00 2.00 X X 3 C B 4.20 0.15 X M36298 4 C F 0.70 0.10 X X 5 C F 0.70 0.10 X X 6 C M-B 3.00 0.20 X X 7 G4 C B 4.20 0.20 X X 8 C F 0.50 0.10 X X 9 C F 5.00 0.10 X X	
2 C C-F 4.00 2.00 X X X	Sketch:
3 C B 4.20 0.15 X M36298 4 C F 0.70 0.10 X X 5 C F 0.70 0.10 X X 6 C M-B 3.00 0.20 X X 7 G4 C B 4.20 0.20 X X 8 C F 0.50 0.10 X X	
4 C F 0.70 0.10 X X 5 C F 0.70 0.10 X X 6 C M-B 3.00 0.20 X X 7 G4 C B 4.20 0.20 X X 8 C F 0.50 0.10 X X 9 C F 5.00 0.10 X X	
5 C F 0.70 0.10 X X 6 C M-B 3.00 0.20 X X 7 G4 C B 4.20 0.20 X X 8 C F 0.50 0.10 X X 9 C F 5.00 0.10 X X	
6 C M-B 3.00 0.20 X X 7 G4 C B 4.20 0.20 X X 8 C F 0.50 0.10 X X 9 C F 5.00 0.10 X X	
7 G4 C B 4.20 0.20 X X 8 C F 0.50 0.10 X X 9 C F 5.00 0.10 X X	
8 C F 0.50 0.10 X X X 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
9 C F 5.00 0.10 X X	
10 C B 0.60 0.10 X X	
11 C F 0.50 0.10	
12 C F 0.80 0.10	
13 C C-F 1.50 0.20	

C - Chrysotile

NSD - No Structure Detected

TR - Tremolite CR - Crocidolite F - Fiber

B - Bundle

AN - Anthophyllite

M - Matrix

AC - Actinolite

Str#:	SquareID:	Туре:	Structure:	Length	Width	Morph:	SAED:	EDS:	Photo:	Sketch:
14	F4	С	F	0.60	0.10					
15		С	M-F	1.00	0.10					
16		С	F	1.20	0.10					
17		C	В	2.50	0.25					
18		С	В	3.50	0.12					
19		С	F	2.40	0.10			[]		
20		С		0.70	0.10	x .	x			
21	E4	c	В	46.00	4.00	M36300	M36299	V		
22		c	F	0.50	0.10			1	V	
	D.									
23	D4	С	F	4.00	0.10				Г:	
24		С	F	3.40	0.05			[
25		c	F	2.00	0.05					
26		c	F	24.00	0.05					
27		C	F	0.70	0.10					
28		C	В	0.80	0.12			<u> </u>		
								Ü		
29		С	F	20.00	0.10					
30		С	В	1,20	0.20	x	x	V		
31		C	F	5.50	0.10					
32		С	C-F	2.00	1.00			L		
33		С	В	2.00	0.20				\Box	
								IJ	П	
34	C1-B3	С	F	2.30	0.10				П	
35		С	F	15.00	0.10			<u> </u>	Ξ.	
					-	*		<u> </u>	ll	L

NSD - No Structure Detected

TR - Tremolite

F - Fiber

CR - Crocidolite

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Str#:	SquareID:	Туре;	Structure:	Length	Width	Morph:	SAED:	EDS:	Photo:	Sketch:
36		С	F	1.20	0.10					
37	C3	c	F	0.50	0.10					
38		c	F	1.60	0.10					
39		C	F	1.00	0.10					
40		C	F	0.70	0.10	х	х	V		
41		C	В	0.60	0.10					Ü
42		c	F	1.20	0.10					
43		C	F	2.20	0.10			Ü		Π
44		C	F	1.00	0.10					
									\Box	
45		С	В	10.00	0.20					<u> </u>
46		C	F	3.00	0.10					[-
47		C	F	0.60	0.10					
48		c	F	12.00	0.10					
49	D3	С	F	3.60	0.10					
50		С	F	4.00	0.10	х	x	Y	П	Ü
51		С	F	2.50	0.10					Ĺ
52		С	F	6.00	0.10				_ ت	
53		С	M-B	2.70	0.15					
54		С	₿	1.20	0.20				Ü	Ü
		С							<u>L:</u>	
55			F	17.00	0.10				Li	
56	E3	С	F	5.00	0.10			Ē	Ц	
57		С	F	25.00	0.10				LJ	
<u></u>									LJ	

NSD - No Structure Detected

TR - Tremolite CR - Crocidolite F - Fiber

AN - Anthophyllite

B'- Bundle

AC - Actinolite

M - Matrix C - Cluster

Str#:	SquareID:	Туре:	Structure:	Length	Width	Morph:	SAED:	EDS:	Photo:	Sketch:
58		С	В	1.50	0.12					
59		c .	F .	0.80	0.10					
60		c	В	1.50	0.20	x	x	∑		
61		c	C-F	6.00	2.00					
62	F3	C	F	2.00	0.10					
63		С	F	0.50	0.10					
64		С	F	6.00	0.10					
65		c	В	2.50	0.20					
66		С	F	3.00	0.10					
				3.00	U.1U					
67		С	F	3.00	0.10					
68		С	C-F	4.00	1.00					
69		` c	F	3.00	0.10					
"		~	•	, 5.00	*****					
70		С	F	2.50	0.10	x	x			
								V	[_] M4054	[] 13 024

NSD - No Structure Detected

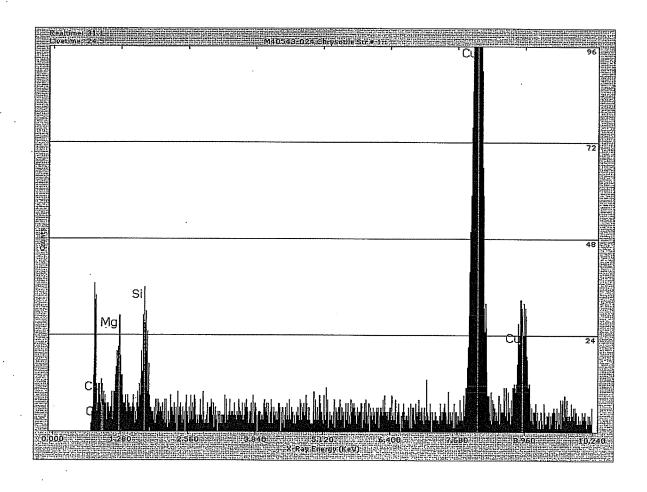
TR - Tremolite CR - Crocidolite F - Fiber

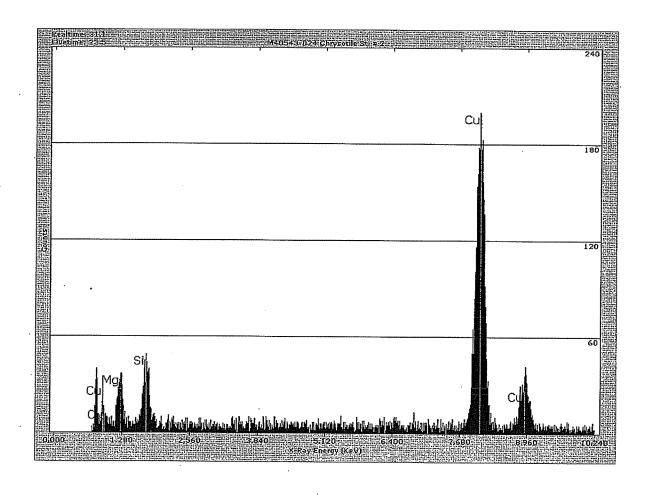
B - Bundle

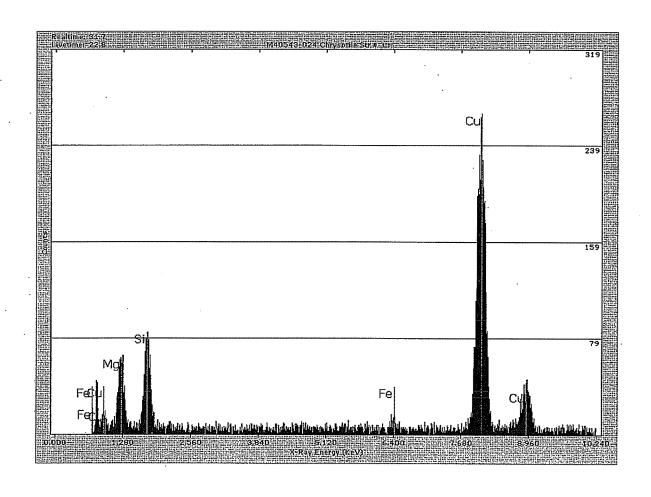
AN - Anthophyllite

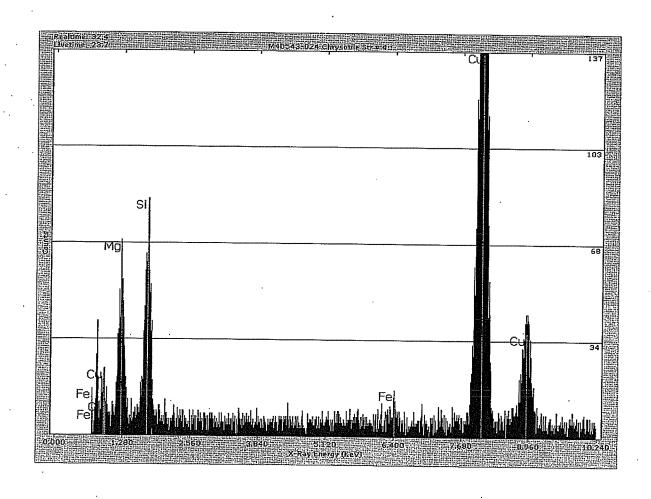
M - Matrix

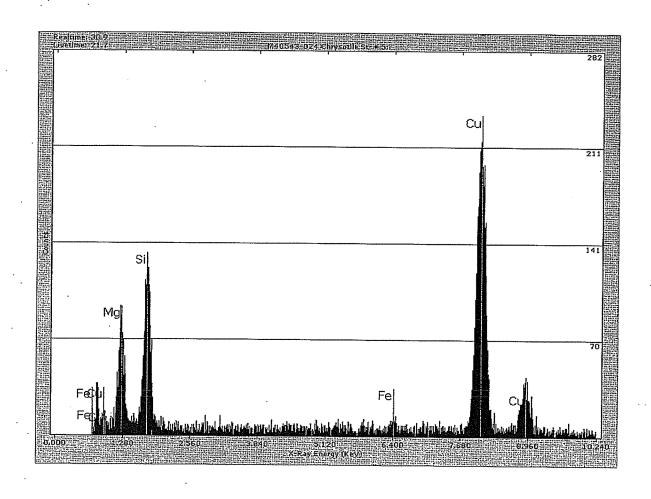
AC - Actinolite

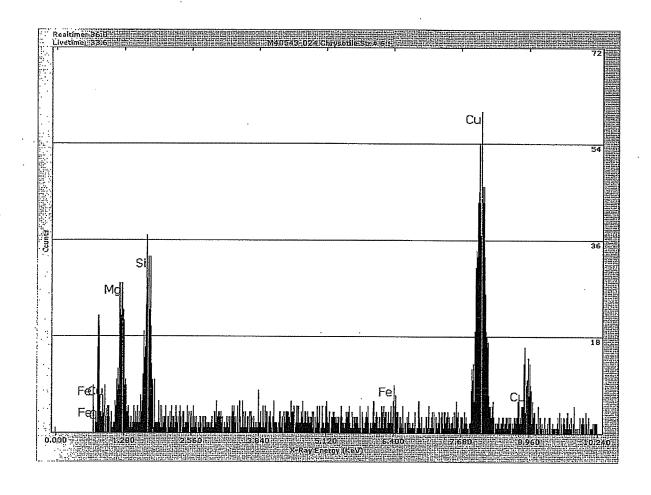


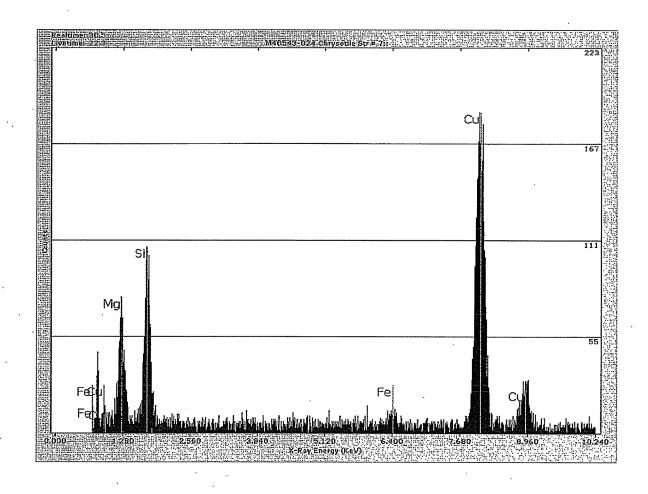


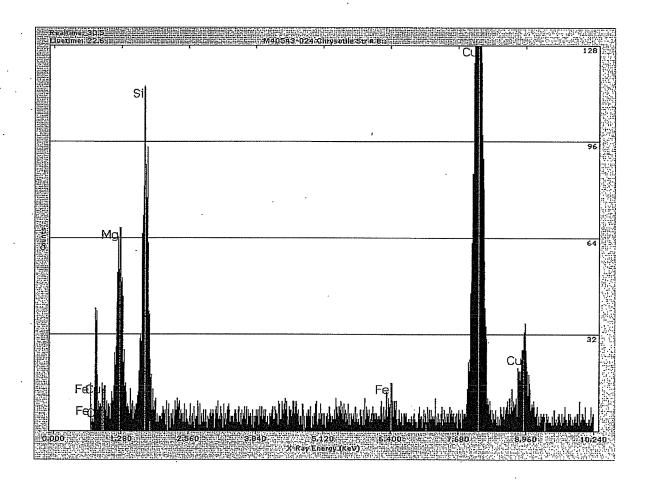


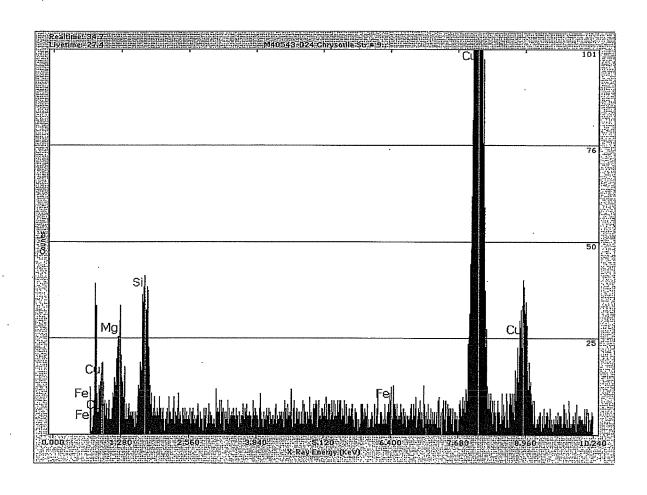


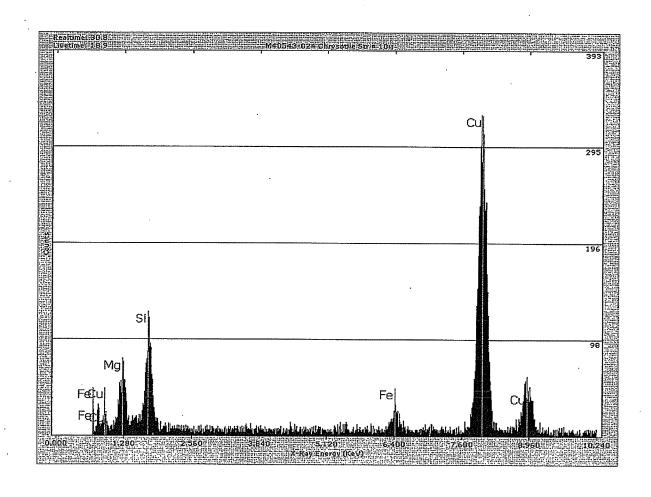


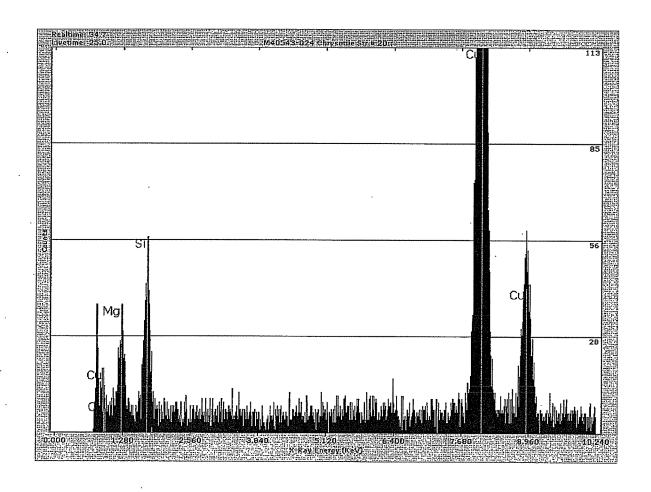










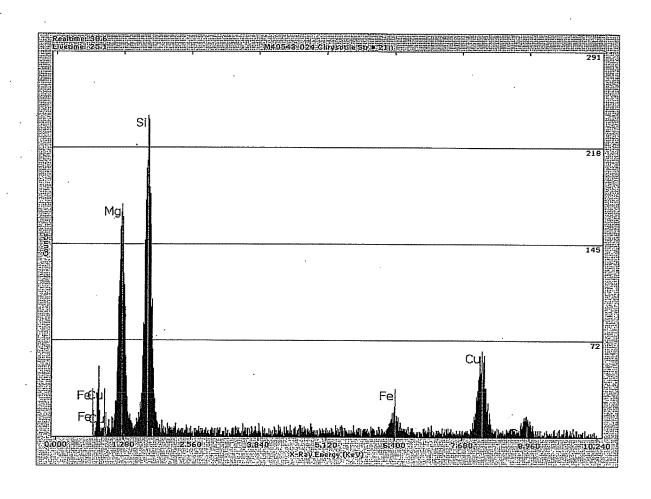


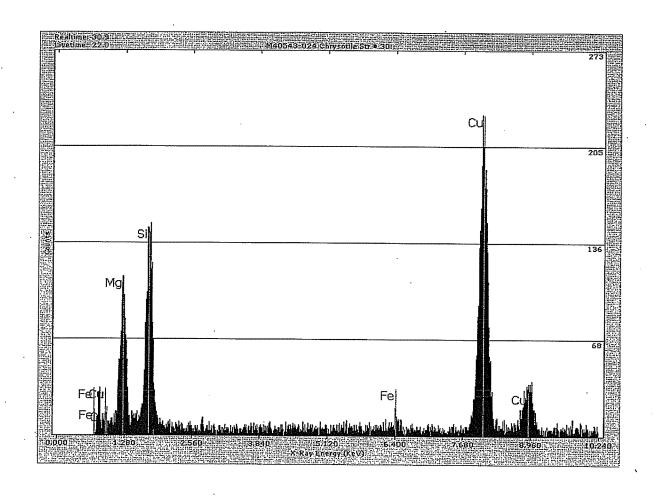
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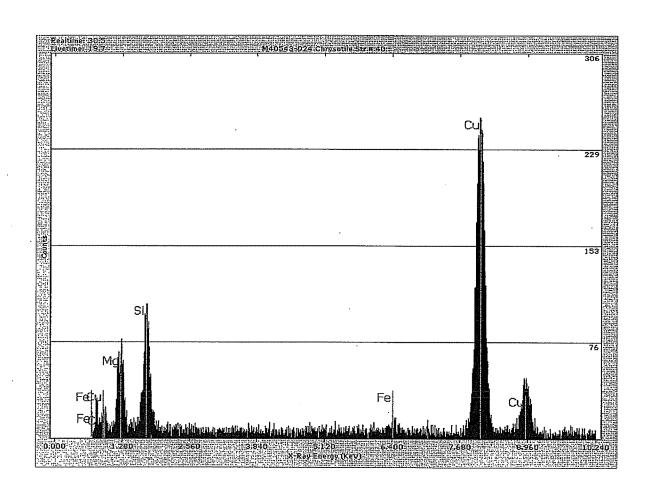
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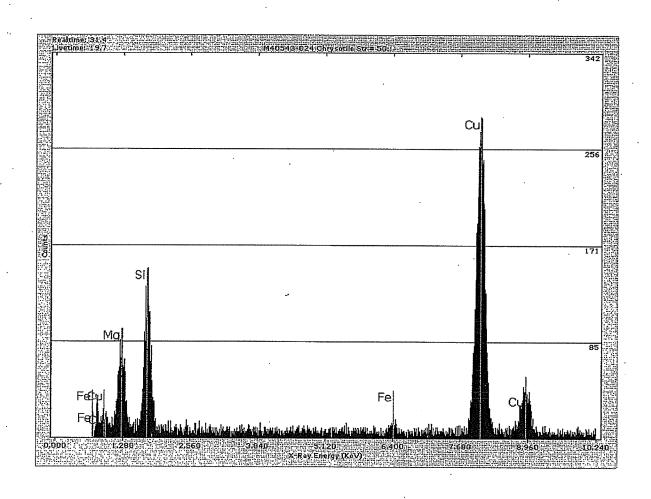
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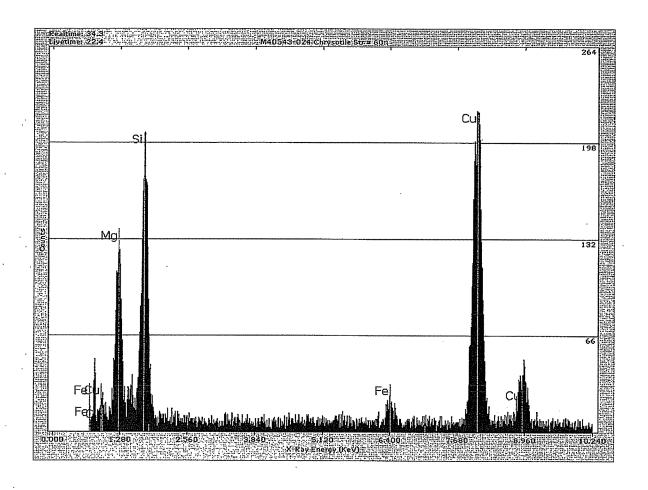
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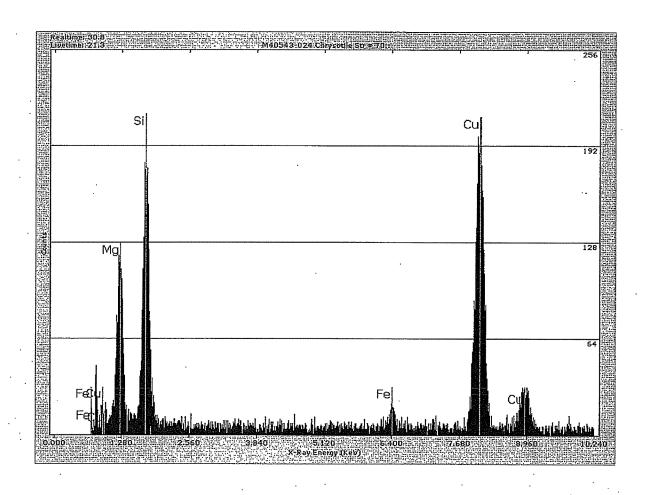












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Office of Child Support Services (OCSE)
400 East Capitol Street

TEM DUST ANALYSIS M40543 025

		of Mart					Clien	t Sample	ID:	OC	SE 1	
· :	Po fective Filte	r Type: re size: er Area: le type: is type:	100 cm MCE 47mm 0.45 1297 Dust Dust Yes			Date Analyzed: Analyst: Scope Number: Accelerating Voltage: Indicated Mag: Screen Mag: Grid_box:		alyst: mber: ltage: Mag: Mag:	Kevin Simpson 3 100 KV 25 KX 20 KX			
Str < : Str ≥: Total	5um: 2			mber of grid r of opening		#1: <u>103</u> #2: <u>104</u>	#3: 105 #4: 103	Size: (yzed:	0.10764 0.108			
	Filtered	0.02 mi	Str / sqr ft = Str / sqr ft >=5			1.679E+	10	Str / cm2 1.807E+07				
Dilution	Factor	5000				1.119E+	09 9	Str / cm2 >=5 1.205E+06				
Str#;	SquareID:	Type:	Structure:	Lengih	Width	Morph:	SAED:	EDS:	Photo:	Sketch:		
1	D1-F3	С	В	1.00	0.10	x	x	.				
2		С	В	2.50	0.20	x	M36297	Z	Ž.			
3		С	F	2.00	0.05	x	x	Z.				
4	٠	С	В	1.10	0.12	x	x	Z				
5		С	F	4.80	0.10	х	x	~	_			
6		С	C-F	1.00	0.40	x	x	⊽ :				
7		c	В	1.60	0.20	x	x	~		<u> </u>		
8	F4	С	F	0.60	0.05	x	x	~	i)	Li		
9	•	С	F	1.20	0.10	x	x	V	[]	<u> _</u>		
10	F 5	С	F	1.00	0.10	X	x	V				
11	٠	С	F	1.80	0.10			,	Lj			
12	F6	С	F	1.80	0.10							
13		С	F	0.50	0.10			1	·i	Li		

C - Chrysotile

NSD - No Structure Detected

TR - Tremolite

F - Fiber B - Bundle

CR - Crocidolite

AN - Anthophyllite AC - Actinolite

M - Matrix C - Cluster

	Str#:	SquareID:	Туре:	Structure:	Length	Width	Morph:	SAED:	EDS:	Photo:	Sketch:
	14		С	F	0.50	0.10			Ľ		
	15		С	F	0.50	0.05					
	16	F7	c	F	5.00	0.10					
	17		c .	F	2.00	0.10				Ð	
	18		c	F	2.20	0.10					
	19		c	F	1.00	0.10					
	20		С	F	2.30	0.05	x	х	V		Li
	21		С	F	,0.50	0.10			LI	<u>L</u>	
•	22	D2-C4	С	В	4.20	0.12			E		
	23		С	F	6.20	0.10				 -	
	24		c .	В	4.00	0.20					
	.25	C 5	c	Æ	4.20	0.10				:_]	<u></u>
	26	C6	С	M-F	2.30	0.10				["]	111
										:!	<u>C</u> j
	27		С	F	3.40	0.10			!""}	<u>;</u>	;***. *****
	28		С	F	2.20	0.10			<u> </u>	:::	
	29		С	F	4.40	0.05			[77]		
	30	C7	С	F	0.60	0.10	x	x	~		
		C8		NSD							
									<u> </u>	M4054	3 025

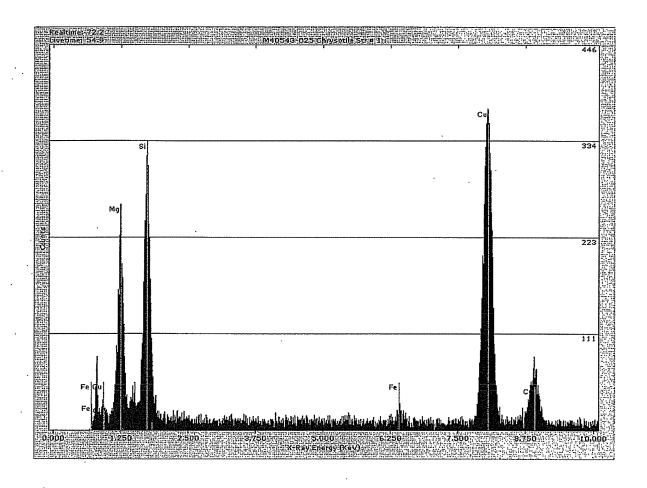
NSD - No Structure Detected

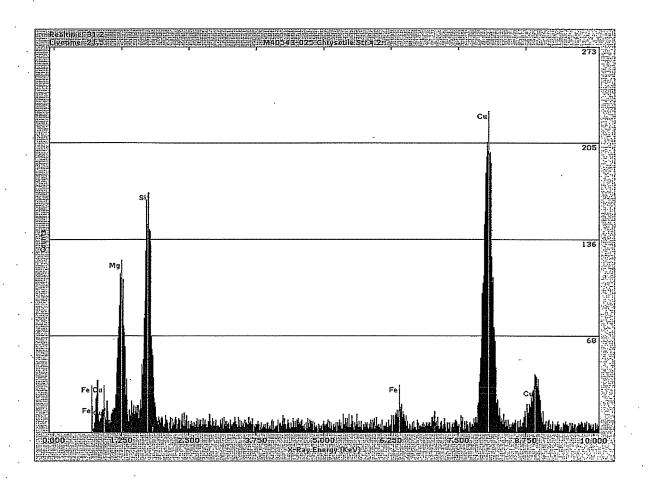
TR - Tremolite CR - Crocidolite F - Fiber B - Bundle

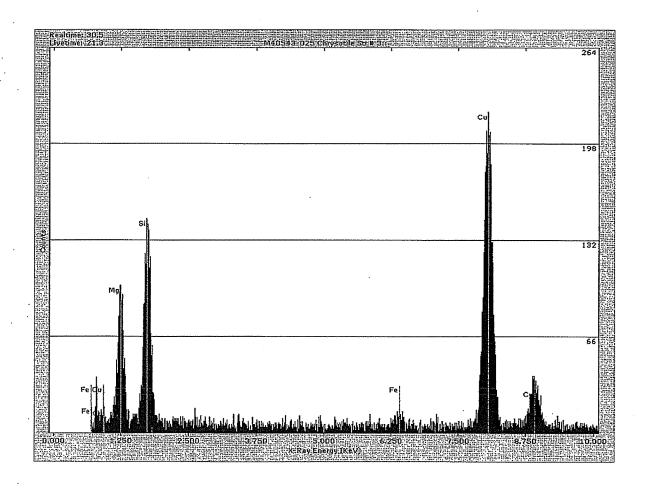
AN - Anthophyllite

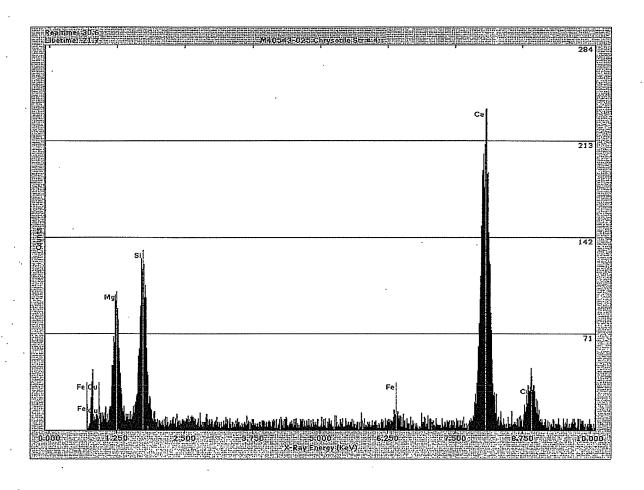
M - Matrix

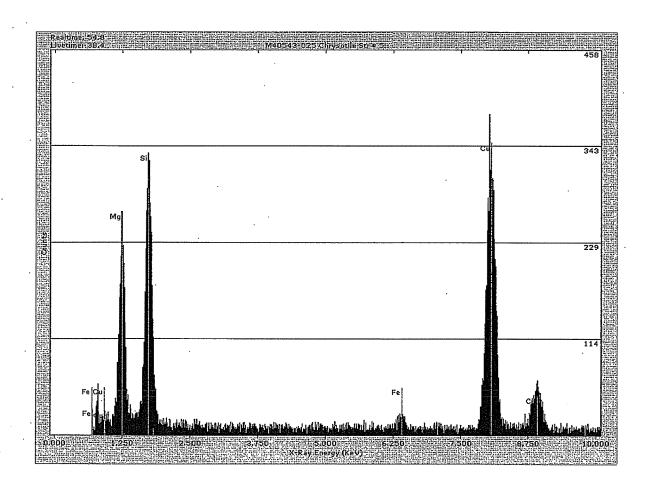
AC - Actinolite

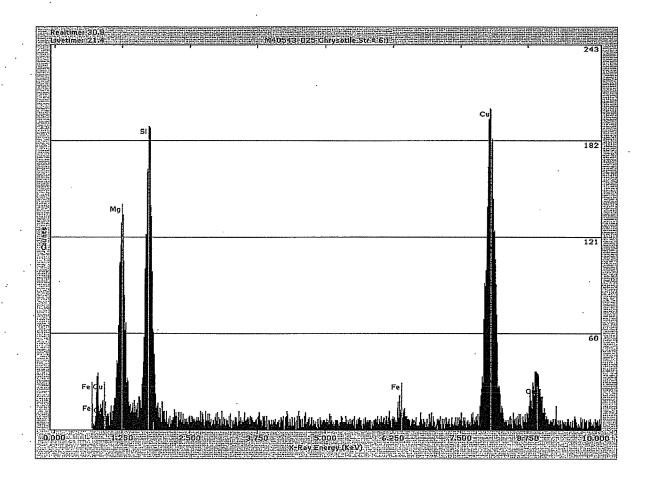


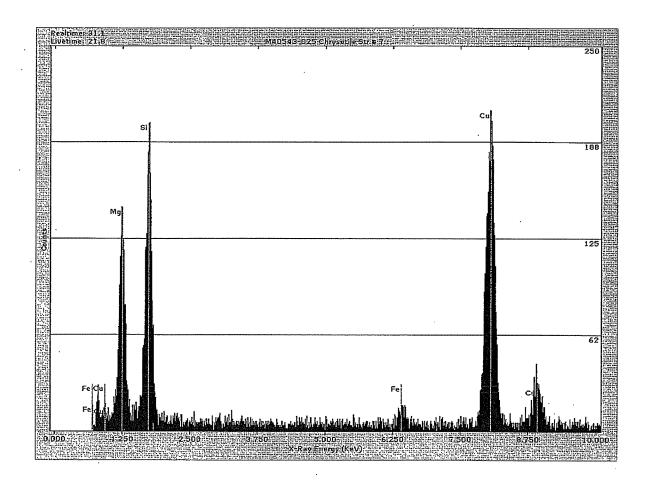


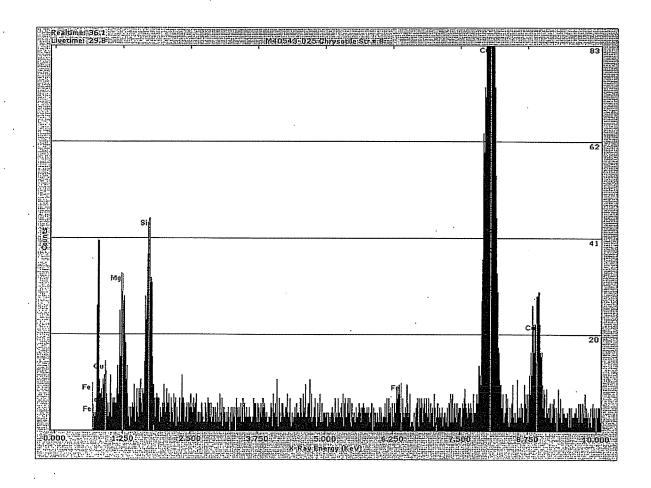


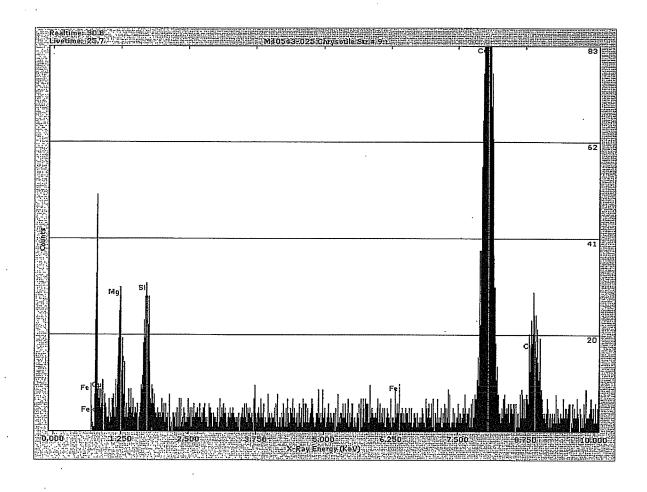


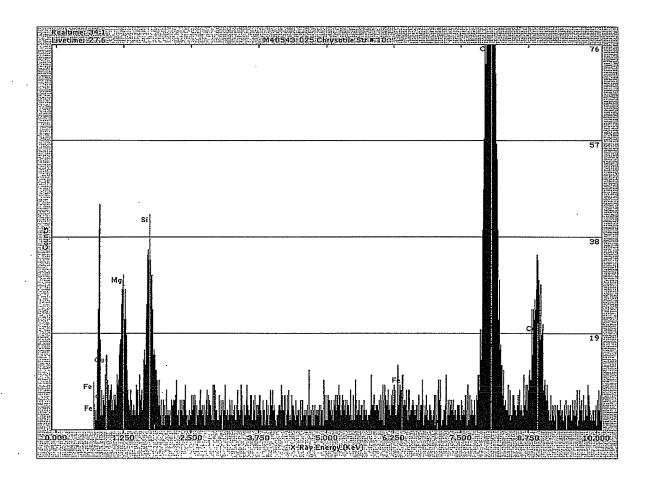


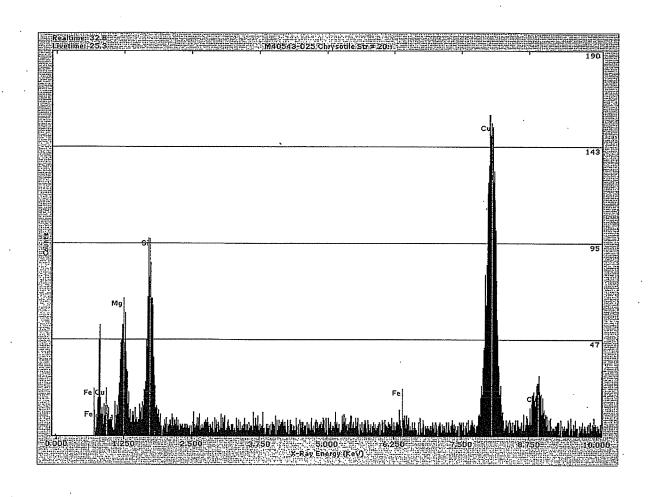


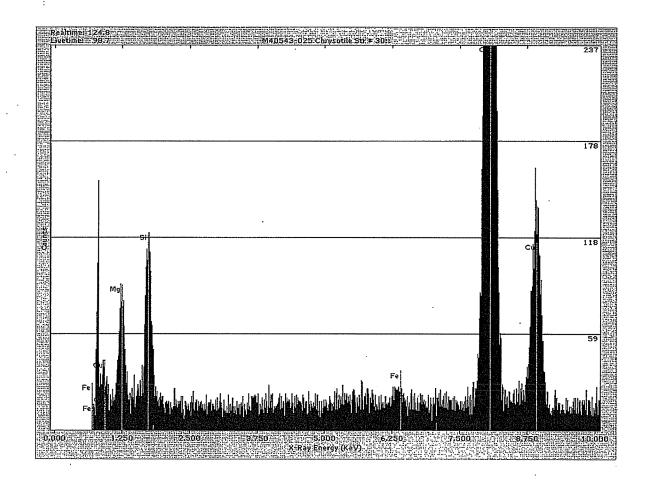












TEM DUST ANALYSIS M40543 026

		le, LLP Sample	s	*-4			Clie	ent Sample	ID:	oc	SE 2
Sample Areal Volume: Filter Type: Pore size: Effective Filter Area: Sample type: Analysis type: Grid Acceptance			100 cm2 MCE 47mm 0.45 1297 Dust Dust YES 2 %				Scope Nui erating Vo Indicated Screen	alyst: mber: ltage: Mag: Mag:	MAM 4 100 KV 25 KX 20 KX		
Str < 5um: 56 Str ≥5um: 45 Total Str: 101		5		nber of grid r of opening	formurano	-	/3: <u>101</u> /4: 103	Average Grid Size: 0.010353 Total Area Analyzed: 0.083			
Total Str Volume Fil Dilution Fa	tered	0.1 ml 1000	Str	Str / s / sqr ft	-	1.469E+1 6.547E+0	=			ļ	582E+07 047E+06
Str#: S	quareID:	Туре:	Structure:	Length	Width	Morph:	SAED:	EDS:	Photo:	Sketch:	
1 1	Е10-Н6	C	В	14.00	0.30	x	x				
2		c	В	2.20	0.30	x	x				
3		С	Ė	1.70	0.20	x	x	₹		L	
4		c	F	1.20	0.10	х	x	⊘			
5		C	C-F	9.00	0.10	x	х				
6		С	В	7.80	0.30	x	X.	×	[7]	<u> </u>	
7		С	M-F	1.60	0.10	x	x	~			
8	G8	С	M-F	37.00	0.10	x	x	Y	[]	Ľ.	
9		c	F					<u> </u>	173	Ľ:	
				2.30	0.20	х	Х	~			
10		С	F	2.90	0.05	Х	х	Z	,		
11		С	C-F	10.00	0.10	x		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
12		С	M-F	1.00	0.10	x			ü	<u> _</u> ;	
13		С	M-F	1.80	0.10	x		:"3	; "	<u>.</u>	

C - Chrysotile

NSD - No Structure Detected

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Str#:	SquareID:	Туре:	Structure:	Length	Width	Morph:	SAED:	EDS:	Photo:	Sketch:
14		С	M-B	10.00	0.50	X	andre and a state of the state			
15		C	F	2.00	0.10	x				
16	-	С	F	2.00	0.10	x			П	
17		С	F	0.90	0.10	x				
										Π
18	D9	С	F	1.30	0.10	Х				Π
19		С	F	5.70	0.10	x			□	
20		c	F	4.00	0.05	x	x			
21		С	M-F	2.00	0.20	x		✓		IJ
22		c ·	F	4.00	0.10	x		Ù		
23		С	F	10.00	0.10	х		::]		
24		c	F	1.60	0.10	x				
25		c	F	1.00	0.10	x				
26		C	M-F	5.00	0.10	x				! 1
27		C	M-F	2.40	0.10	x				C
										Ü
28		С	F	17.00	0.10	Х			[]	Π
29	C5	С	M-F	1.30	0.10	х		П	Γ,	D
30		c	F	1.40	0.05	x	x	V		
31		\mathbf{c}	F	6.00	0.19	x				
32		c	F	1.80	0.05	x		[]	D	:J
								П	J	
33		С	F	4.30	0.10	х		П		[
34		С	м-в	5.30	0.20	х				
35		С	M-F	6,20	0.20	x				
					-			į j	i	1i

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M - Matrix

AC - Actinolite

Str#:	SquareID:	Туре:	Structure:	Length	Width	Morph:	SAED:	EDS:	Photo:	Sketch:
36		С	M-F	1.00	0.10	Х				
37		c	F	8.00	0.05	x				
38		С	F	3.00	0.10	X.		П		
								Ü		
39		C	M-F	1.60	0.50	х				
40		С	В	12.00	0.40	x	x	Y		<u> </u>
41		c	M-F	1.00	0.10	x				
42		C	M-F	1.20	0.20	x				
									П	
43		С	F	1.70	0.10	X				[]
44	E4	c	M-F	22.00	0.20	x				
45		C	F	2.00	0.10	x				
46		C	F	3.00	0.10	x				
						•			ӹ	
47		С	F	0.90	0.10	x				
48		С	F	3.70	0.10	x				
49		C	F	3.00	0.10	x				
50		С	F	13.00	0.05	x	x	<u> </u>	Li	C
								×.		CJ.
51		С	F	3.60	0.05	х				
52		c	F	1.60	0.05	x			Ü	
53		c	C-F	12.00	0.10	x				
54		c	F	5.00	0.10	x				
55		С	F	1.80	0.10	х				
56		С	C-F	8.00	0.10	x		<u>.</u> .	Li	
57		С	F	1.50	0.10	x				
!								<u></u> .		

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AC - Actinolite

Str#:	SquareID:	Туре:	Structure:	Length	Width	Morph:	SAED:	EDS:	Photo:	Sketch:
58		С	C-F	2.50	0.20	Х				
59		c	C-F	4.00	0.05	x				
60		С	M-F	6.30	0.10	x	x		Ü	
							-	✓		
61		C	F	4.00	0.10	х				
62		C	M-B	7.00	0.20	X				
63		C	F	12.00	0.10	x				
64		C	M-F	12.00	0.20	x				Ü
									Π	П
65		С	F	7.00	0.10	Х				
66		С	M-F	12.00	0.10	x				
67	E9-C5	С	C-F	8.00	0.20	х				
68		c	F	4.00	0.10	x		П		
									Ų	
69		C	В	16.00	0.30		. ,	LJ		
70		С	M-F	2.60	0.10	x	х	V	U	
71		c	M-F	1.00	0.10	x				
72		С	F	1.80	0.10	x				
								<u> </u>		
73		С	M-F	1.30	0.10	х		C		
74		C	F	1.00	0.10	x				L
. 75		С	F	8.00	0.05	x				
76		c	M-F	0.90	0.10	x				
77	E7	С	В	8.00	0.30	x		<u>:</u> ;		
78		c .	M-F	7.70	0.10	х		Ü		
79		C	M-F	8.00	0.10	x				

NSD - No Structure Detected

TR - Tremolite

F - Fiber

CR - Crocidolite

B - Bundle

AN - Anthophyllite

M - Matrix

AC - Actinolite

Str#:	SquareID:	Туре:	Structure:	Length	Width	Morph:	SAED:	EDS:	Photo:	Sketch:
80		С	F .	0.90	0.05	х	х	Ø		
81		С	M-F	10.00	0.10	x				
82		C	M-F	4.00	0.05	x				
02		C	r41-1-	4.00	0.03	•		·		
83		С	F	6.00	0.10	X				
84		c	F	7.09	0.10	. x				
85		C	M-F	5.50	0.10	x				
86		C	M-F	14.00	0.10	X				
87		C	C-F	1.30	0.10	x				
88		С	м-в	6.00	0.20	x				
		_								
89	H6	С	M-F	13.00	0.10	х				
90		C	F	3.00	0.05	X	X	?	Π	
91		C	M-F	19.00	0.10	x				
92		С	F	10.00	0.10	x	•			
			•	10.00	0.10	Α				
93		С	C-F	9.00	0.10	X				
94		c	F	2.00	0.20	x				
95		С	M-F	11.00	0.20	x .				
96		С	F	2.00	0.10	x		D	r 1 2	\Box
97		С	C-F	9.00	0.10	x			F.3	
98		c	F	3.20	0.10	x				
99		С	F	5.10	0.10	x			[]	
. "				วเน	U.18	^		П	T.:	
100		С	M-F	3.00	0.10	x	х	~	ŗ	
101			C-F	2.00	0.10	x				

NSD - No Structure Detected

TR - Tremolite CR - Crocidolite F - Fiber B - Bundle

AN - Anthophyllite

M - Matrix

AC - Actinolite

Str#:	SquareID:	Type:	Structure:	Length	Width	Morph:	SAED:	EDS:	Photo:	Sketch:	
		•							M405	43 026	

NSD - No Structure Detected

TR - Tremolite F - Fiber
CR - Crocidolite B - Bundle
AN - Anthophyllite M - Matrix
AC - Actinolite C - Cluster



